

Fluid Power Engineering Technician (BP/EP) Associate in Applied Science Degree

Semester Sequence - Eden Prairie

First Semester

FLPW1101	Fluid Power Technology I	3
FLPW1106	Fluid Power Technology II	4
FLPW1181	Pumps, Actuators, and Conductors	4
FLPW1191	Hydraulic Components	3
FLPW1320	Hydraulic Circuits	2
MATH1150	Applications of Quantitative Reasoning (elective)	3
MATH1400	or College Algebra (elective)	4

Total Credits 19

Second Semester

FLPW1231	Industrial Electricity I	3
FLPW1340	Pneumatic Circuits and Air Logic	4
METS1200	Industry Practices and Procedures	3
	Choose 3 credits from MnTC Goal Areas 2-6	3
	Optional:	
FLPW1236	Industrial Electricity II	3
FLPW1150	Pneumatic Components	4

Total Credits 13

Summer Semester

ENGL1070	Technical Writing	3
	or	
ENGL1100	Writing and Research	4
	General Education Electives	3

Total Credits 6

Third Semester

FLPW2000	Programmable Logic Controllers	3
FLPW2112	Instrumentation of Fluid Power Systems	3
FLPW2250	Proportional and Servo Controls (Robotics Application)	3
METS2000	Engineering Design Principles	3
METS2100	Statics and Strength of Materials	3
	Choose one of the following:	
ENGC1100	AutoCAD	4
ENGC1160	Inventor	4
ENGC1250	SOLIDWORKS I	4
ENGC2100	Basic Creo Parametric	4

Total Credits 19

Fourth Semester

FLPW2180	Circuit Design	3
FLPW2191	Industrial Circuit Design	3
FLPW2301	Mobile Circuit Design	3
FLPW2321	System Engineering Portfolio	3
	Choose 3 credits from MnTC Goal Areas 7-10	3
Optional:		
FLPW2350	Hydraulic Specialist Certification Review	2
FLPW2360	Pneumatic Specialist Certification Review	2

Total Credits 15

General Education Electives

A complete list of Minnesota Transfer Curriculum (MnTC) courses and Goal Areas that can be used to meet General Education requirements can be found at www.hennepintech.edu. The same course cannot satisfy more than one MnTC Goal Area requirement.

Choose a Total of: 6 Credits

Graduation (72 Credits)

Semester listings reflect the recommended sequence. Due to circumstances beyond our control, the information herein is subject to change without notice.

6/8/2022 : BP 4704 / EP 4705